

What is claimed is:

1. An elevator device for a television camera comprising:
a stationary cylinder;
a movable cylinder having a television camera mounted thereon; and
a linear motor for moving up or down said movable cylinder along said stationary cylinder.
2. An elevator device for a television camera according to Claim 1, further comprising:
a pulley and a wire rope for moving up or down said movable cylinder attending on the movement of a movable part of said linear motor.
3. An elevator device for a television camera according to Claim 1, wherein said movable cylinder is an extendable telescopic tube consisting of a plurality of tubes and includes a pulley and a wire rope for extending and contracting said movable cylinder attending on movement of said movable part of said linear motor.
4. An elevator device for a television camera according to Claim 2, wherein said movable cylinder is an extendable telescopic tube consisting of a plurality of tubes and includes a pulley and a wire rope for extending and contracting said movable cylinder attending on movement of said movable part of said linear motor.
5. An elevator device for a television camera according to Claim 1, 2, 3 or 4, wherein said stationary cylinder includes a constant tension spring mechanism and a pulley for balance used as a balancer, wherein a wire rope for balance is passed around said pulley for balance and attached at one end to a lower position of said movable cylinder and at the other end to said constant tension spring

mechanism, and wherein said constant tension spring mechanism includes an electromagnetic brake for fastening and releasing a rotating shaft.

6. An elevator device for a television camera according to Claim 5, further comprising a control unit configured such that after passage of a predetermined time following stoppage of said movable cylinder, said rotating shaft of said constant tension spring mechanism is stopped by an electromagnetic brake, and after additional passage of a predetermined time following the fastening of said rotating shaft, the holding of said movable cylinder by the linear motor is terminated, and when a Raise signal or a Lower signal is received under the condition that the holding of said movable cylinder by said linear motor has been stopped, the holding of said movable cylinder by said linear motor is resumed, and after passage of a predetermined time following resumption of the holding of the movable cylinder, the fastening of said rotating shaft of said constant tension spring mechanism by said electromagnetic brake is released to permit said movable cylinder to move up or down.

7. An elevator device for a television camera according to Claim 1, 2, 3 or 4, wherein a guide rail is mounted on either of said stationary cylinder and said movable cylinder, and a bracket of a concave section is mounted on the other of the cylinders, a shock absorber of a concave section is fitted into the concave portion of the bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.

8. An elevator device for a television camera according to Claim 5, wherein a guide rail is mounted on either of said stationary cylinder and said movable cylinder, and a bracket of a concave section is mounted on the other of the cylinders, a shock absorber of a concave section is fitted into the concave portion of the bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.

9. An elevator device for a television camera according to Claim 6, wherein a guide rail is mounted on either of said stationary cylinder and said movable cylinder, and a bracket of a concave section is mounted on the other of the cylinders, a shock absorber of a concave section is fitted into the concave portion of the bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.

10. An elevator device for a television camera according to Claim 3 or 4, wherein a guide rail is mounted on either of an outer side tube and an inner side tube of said movable cylinder, and a bracket of a concave section is mounted on the other of said tubes, a shock absorber of a concave section is fitted into the concave portion of said bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.

11. An elevator device for a television camera according to Claim 5, wherein a guide rail is mounted on either of an outer side tube and an inner side tube of said movable cylinder, and a bracket of a concave section is mounted on the other of said tubes, a shock absorber of a concave section is fitted into the concave portion of said bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.

12. An elevator device for a television camera according to Claim 6, wherein a guide rail is mounted on either of an outer side tube and an inner side tube of said movable cylinder, and a bracket of a concave section is mounted on the other of said tubes, a shock absorber of a concave section is fitted into the concave portion of said bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.

13. An elevator device for a television camera according to Claim 7, wherein a guide rail is mounted on either of an outer side tube and an inner side

tube of said movable cylinder, and a bracket of a concave section is mounted on the other of said tubes, a shock absorber of a concave section is fitted into the concave portion of said bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.

14. An elevator device for a television camera according to Claim 8 or 9, wherein a guide rail is mounted on either of an outer side tube and an inner side tube of said movable cylinder, and a bracket of a concave section is mounted on the other of said tubes, a shock absorber of a concave section is fitted into the concave portion of said bracket, and a guide is mounted in a manner to slidably engage with said guide rail which has been fitted into the concave portion of said shock absorber.